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- Cardiac autonomic modulation in normal, high-risk, and in vitro fertilization pregnancies during the first trimester (Antonazzo et al). 2004;190:199-205

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- Preinduction cervical ripening with the Foley catheter and the risk of subsequent preterm birth (Sciscione et al). 2004;190:751-4

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- Randomized trial of inhaled beclomethasone dipropionate versus theophylline for moderate

asthma during pregnancy (Dombrowski et al). 2004;190:737-44

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- Chronic prenatal exposure to carbamazepine and behavior effects on mice offspring (Rayburn et al). 2004;190:517-21

Beta adrenergic receptors; *see* Receptors, adrenergic, beta

Betamethasone

- Antenatal corticosteroids: we continue to learn (Wapner). 2004;190:875 (Editorial)
- Choice and dose of corticosteroid for antenatal treatments (Jobe and Soll). 2004;190:878-81 (Editors' choice)
- The effects of dexamethasone and betamethasone on surfactant protein-B messenger RNA expression in human type II pneumocytes and human lung adenocarcinoma cells (Ramin et al). 2004;190:952-9
- The fetal cardiovascular response to antenatal steroids in severe early-onset intrauterine growth restriction (Simchen et al). 2004;190:296-304 (Editors' choice)

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- Endoscopic retrograde cholangiopancreatography (ERCP) in pregnancy without the use of radiation (Simmons et al). 2004;190:1467-9 (Residents' papers)

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- Aberrant *p16* methylation is a biomarker for tobacco exposure in cervical squamous cell carcinogenesis (Lea et al). 2004;190:674-9
- P16 as a molecular biomarker of cervical adenocarcinoma (Schorge et al). 2004;190:668-73

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- Patient perceptions of breast biopsy procedures for screen-detected lesions (Geller et al). 2004;190:1063-9
- Pipelle biopsy (Hemsell) (Letter); (Gracia and Barnhart) (Reply). 2004;190:869
- Treatment of high-grade squamous intraepithelial lesions: a 2- versus 3-step approach (Berdichevsky et al). 2004;190:1424-6 (Residents' papers)

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- Unnecessary cesarean delivery in Louisiana: an analysis of birth certificate data (Kabir et al). 2004;190:10-9 (Editors' choice)

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- Is there a relationship to dye determined or ultrasound estimated amniotic fluid volume adjusted percentiles and fetal weight adjusted percentiles? (Magann et al). 2004;190:1610-5
- Maternal insulin-like growth factor-I levels (IGF-I) reflect placental mass and neonatal fat mass (Clapp et al). 2004;190:730-6

- Neonatal mortality rates among growth-discordant twins, classified according to the birth weight of the smaller twin (Blickstein and Keith). 2004;190:170-4
- Neuromorbidity in preterm twins in relation to chorionicity and discordant birth weight (Adegbite et al). 2004;190:156-63
- Bisexuality**
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- Blood**
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- Blood flow velocity**
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- Blood gas analysis**
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- Body weight**
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- Bone marrow transplantation**
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- Breath tests**
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- Bupivacaine**
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- Chronic prenatal exposure to carbamazepine and perinatal outcomes of C3H/He mice (Christensen et al). 2004;190:259-63
- Carcinoma**
- Activation of invasiveness of cervical carcinoma cells by angiotensin II (Kikkawa et al). 2004;190:1258-63
 - Comparison between primary peritoneal and epithelial ovarian carcinoma: a population-based study (Barda et al). 2004;190:1039-45
 - Morbidity of cytoreductive surgery in the elderly (Wright et al). 2004;190:1398-400 (Residents' papers)
 - Primary neuroendocrine carcinoma of the fallopian tube: a case report (Dursun et al). 2004;190:568-71
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- Aberrant *p16* methylation is a biomarker for tobacco exposure in cervical squamous cell carcinogenesis (Lea et al). 2004;190:674-9
 - Comparative study of MMP-2 (matrix metalloproteinase 2) immune expression in normal uterine cervix, intraepithelial neoplasias, and squamous cells cervical carcinoma (Gaiotto et al). 2004;190:1278-82
 - Treatment of high-grade squamous intraepithelial lesions: a 2- versus 3-step approach (Berdichevsky et al). 2004;190:1424-6 (Residents' papers)
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 - Cardiovascular and endocrine responses to cutaneous electrical stimulation after fentanyl in the ovine fetus (Smith et al). 2004;190:836-42
 - The fetal cardiovascular response to antenatal steroids in severe early-onset intrauterine growth restriction (Simchen et al). 2004;190:296-304 (Editors' choice)
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 - Radiofrequency ablation in a mono chorionic twin discordant for fetal anomalies (Shevell et al). 2004;190:575-6
- Catheters, indwelling**
- Preinduction cervical ripening with the Foley catheter and the risk of subsequent preterm birth (Sciscione et al). 2004;190:751-4
- Cell-free system**
- Cell-free fetal DNA in the cerebrospinal fluid of women during the peripartum period (Angert et al). 2004;190:1087-90
- Two-stage elevation of cell-free fetal DNA in maternal sera before onset of preeclampsia (Levine et al). 2004;190:707-13**
- Cells**
- Automated detection of rare fetal cells in maternal blood: eliminating the false-positive XY signals in XX pregnancies (Kilpatrick et al). 2004;190:1571-81
 - Evidence of endothelial dysfunction in preeclampsia: decreased endothelial nitric oxide synthase expression is associated with increased cell permeability in endothelial cells from preeclampsia (Wang et al). 2004;190:817-24
 - Fetal membranes act as a barrier for adenoviruses: gene transfer into exocoelomic cavity of rat fetuses does not affect cells in the fetus (Laurema et al). 2004;190:264-7
 - In vitro lesion repair by human amnion epithelial and mesenchymal cells (Bilic et al). 2004;190:87-92
 - Microvascular endothelial cell activation is present in the umbilical placental microcirculation in fetal placental vascular disease (Wang et al). 2004;190:596-601 (Editors' choice)
 - Central Association of Obstetricians and Gynecologists Transactions of the seventieth annual meeting of the Central Association of Obstetricians and Gynecologists. 2004;190:1534-634
 - Transactions of the seventieth annual meeting of the Central Association of Obstetricians and Gynecologists. 2004;190:1635-795
- Central nervous system**
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- Cerebral palsy**
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 - Stage-based treatment of twin-twin transfusion syndrome (Fisk) (Letter); (Quintero) (Reply). 2004;190:1809-11
 - Unselected low-risk pregnancies and the effect of continuous intrapartum fetal heart rate monitoring on umbilical blood gases and cerebral palsy (Sameshima et al). 2004;190:118-23
- Cerebrospinal fluid**
- Cell-free fetal DNA in the cerebrospinal fluid of women during the peripartum period (Angert et al). 2004;190:1087-90
- Cerebrovascular disorders**
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 - Maternal and perinatal outcome in women with a history of stroke (Coppage et al). 2004;190:1331-4

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- Cervicovaginal cytokines, vaginal infection, and preterm birth (Andrews). 2004;190:1179 (Editorial)
- Comparative study of MMP-2 (matrix metalloproteinase 2) immune expression in normal uterine cervix, intraepithelial neoplasias, and squamous cells cervical carcinoma (Gaiotto et al). 2004;190:1278-82
- A comparison of orally administered misoprostol to intravenous oxytocin for labor induction in women with favorable cervical examinations (Wing et al). 2004;190:1689-96
- The diagnosis and reproductive outcome after surgical treatment of the complete septate uterus, duplicated cervix and vaginal septum (Patton et al). 2004;190:1669-78
- A disproportionate increase in IL-1 β over IL-1 α in the cervicovaginal secretions of pregnant women with altered vaginal microflora correlates with preterm birth (Genc et al). 2004;190:1191-7 (Editors' choice)
- A randomized controlled comparison of sublingual and vaginal administration of misoprostol for cervical priming before first-trimester surgical abortion (Hamoda et al). 2004;190:55-9
- Randomized trial between two active labor management protocols in the presence of an unfavorable cervix (Bolnick et al). 2004;190:124-8
- Sexual response in the patient after hysterectomy: total abdominal versus supracervical versus vaginal procedure (Roussis et al). 2004;190:1427-8 (Residents' papers)

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- Aberrant *p16* methylation is a biomarker for tobacco exposure in cervical squamous cell carcinogenesis (Lea et al). 2004;190:674-9
- Accuracy of pelvic examination in the assessment of patients with operable cervical cancer (Hoffman et al). 2004;190:986-93
- Activation of invasiveness of cervical carcinoma cells by angiotensin II (Kikkawa et al). 2004;190:1258-63
- Comparative study of MMP-2 (matrix metalloproteinase 2) immune expression in normal uterine cervix, intraepithelial neoplasias, and squamous cells cervical carcinoma (Gaiotto et al). 2004;190:1278-82
- Glassy cell adenocarcinoma of the uterine cervix (Hopkins and Morley). 2004;190:67-70
- The novel serine protease tumor-associated differentially expressed gene-14 (*KLK8/Neuropilin/Ovasin*) is highly overexpressed in cervical cancer (Cané et al). 2004;190:60-6
- Optical detection of high-grade cervical intraepithelial neoplasia in vivo: results of a 604-patient study (Huh et al). 2004;190:1249-57
- P16 as a molecular biomarker of cervical adenocarcinoma (Schorge et al). 2004;190:668-73
- α -Tocopherol and α -tocopheryl quinone levels in cervical intraepithelial neoplasia and cervical cancer (Palan et al). 2004;190:1407-10 (Residents' papers)
- Treatment of high-grade squamous intraepithelial lesions: a 2- versus 3-step approach (Berdichevsky et al). 2004;190:1424-6 (Residents' papers)

Usefulness of human papillomavirus testing in the follow-up of patients with high-grade cervical intraepithelial neoplasia after conization (Chao et al). 2004;190:1046-51

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- Cesarean delivery after successful external cephalic version of breech presentation at term: a comparative study (Vézina et al). 2004;190:763-8
- Complications of cesarean deliveries: rates and risk factors (Häger et al). 2004;190:428-34
- Development of a large-scale obstetric quality-improvement program that focused on the nulliparous patient at term (Main et al). 2004;190:1747-58
- Elective cesarean delivery plus short-course lamivudine and zidovudine for the prevention of mother-to-child transmission of human immunodeficiency virus type 1 (Panburana et al). 2004;190:803-8
- Emergency peripartum hysterectomy: a comparison of cesarean and postpartum hysterectomy (Forna et al). 2004;190:1440-4 (Residents' papers)
- A hospital-sponsored quality improvement study of pain management after cesarean delivery (Yost et al). 2004;190:1341-6
- Obesity, obstetric complications and cesarean delivery rate—a population-based screening study (Weiss et al). 2004;190:1091-7
- Once a pregnancy, always a cesarean? Rationale and feasibility of a randomized controlled trial (Ecker). 2004;190:314-8 (Clin. opinion)
- Peritoneal nonclosure in cesarean section (Gates and Anderson). 2004;190:1807-8 (Letter)
- Pregnancy after bariatric surgery is not associated with adverse perinatal outcome (Sheiner et al). 2004;190:1335-40
- A randomized clinical trial of the intrapartum assessment of amniotic fluid volume: amniotic fluid index versus the single deepest pocket technique (Moses et al). 2004;190:1564-70
- Risk of cesarean delivery in nulliparous women at greater than 41 weeks' gestational age with an unengaged vertex (Shin et al). 2004;190:129-34
- Risk of uterine rupture in labor induction of patients with prior cesarean section: an inner city hospital experience (Lin and Raynor). 2004;190:1476-8 (Residents' papers)
- Stability of risk-adjusted primary cesarean delivery rates over time (Bailit and Garrett). 2004;190:395-400
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- Trial of labor in patients with a previous cesarean section: does maternal age influence the outcome? (Bujold et al). 2004;190:1113-8
- Unnecessary cesarean delivery in Louisiana: an analysis of birth certificate data (Kabir et al). 2004;190:10-9 (Editors' choice)

Chemopreventive agents

The chemopreventive agents 4-HPR and DFMO inhibit growth and induce apoptosis in uterine leiomyomas (Broaddus et al). 2004;190:686-92

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Repeated antenatal corticosteroids: effects on cerebral palsy and childhood behavior (French et al). 2004;190:588-95 (Editorial)

Child development

Chronic prenatal exposure to carbamazepine and behavior effects on mice offspring (Rayburn et al). 2004;190:517-21

Clinical signs predict 30-month neurodevelopmental outcome after neonatal encephalopathy (Miller et al). 2004;190:93-9

Long-term neurodevelopmental outcome after intrauterine laser treatment for twin-twin transfusion syndrome (TTTS) (De Lia and Worthington) (Letter); (Hecher et al) (Reply). 2004;190:1170-2

Chin

Assessment of the facial features and chin development of fetuses with use of serial three-dimensional sonography and the mandibular size monogram in a Chinese population (Tsai et al). 2004;190:541-6

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Assessment of the facial features and chin development of fetuses with use of serial three-dimensional sonography and the mandibular size monogram in a Chinese population (Tsai et al). 2004;190:541-6

Chlamydia trachomatis

Limitations of screening tests for the detection of *Chlamydia trachomatis* in asymptomatic adolescent and young adult women (Shrier et al). 2004;190:654-62

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Endoscopic retrograde cholangiopancreatography (ERCP) in pregnancy without the use of radiation (Simmons et al). 2004;190:1467-9 (Residents' papers)

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Chorioamnionitis

A fetal response to chorioamnionitis is associated with early survival after preterm birth (Lahra and Jeffery). 2004;190:147-51

Intraobserver and interobserver variability for the histologic diagnosis of chorioamnionitis (Simmonds et al). 2004;190:152-5

Choriocarcinoma

An unexpected effect of glucocorticoids on stimulation of *c-fms* proto-oncogene expression in choriocarcinoma cells that express little glucocorticoid receptor (Chambers et al). 2004;190:974-85

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Matrix metalloproteinase-8 is expressed in human chorion during labor (Arechavaleta-Velasco et al). 2004;190:843-50

Neuromorbidity in preterm twins in relation to chorionicity and discordant birth weight (Adegbite et al). 2004;190:156-63

Chorionic villi sampling

Is nuchal translucency screening associated with different rates of invasive testing in an older obstetric population? (Chasen et al). 2004;190:769-74

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FISHing for acrocentric associations between chromosomes 14 and 21 in human oogenesis (Cheng and Nalwai-Cecchini). 2004;190:1781-7

The role for preimplantation genetic diagnosis in balanced translocation carriers (Sampson et al). 2004;190:1707-13

Chromosomes, human, pair 14

FISHing for acrocentric associations between chromosomes 14 and 21 in human oogenesis (Cheng and Nalwai-Cecchini). 2004;190:1781-7

Chromosomes, human, pair 21

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Cesarean scar pregnancy: quantitative assessment of uterine neovascularization with 3-dimensional color power Doppler imaging and successful treatment with uterine artery embolization (Chou et al). 2004;190:866-8 (AJOG reviews)

Pregnancy as a tissue expander in the correction of a scar deformity (Del Frari et al). 2004;190:579-80

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Effects of combined use of sildenafil citrate (Viagra) and 17 β -estradiol on ovine coronary and uterine hemodynamics (Zoma et al). 2004;190:1291-7

Clinical clerkship

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Variation in medical student grading criteria: a survey of clerkships in obstetrics and gynecology (Zahn et al). 2004;190:1388-93 (Education)

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- Outcomes of teaching medical students core skills for women's health: the pelvic examination educational program (Carr and Carmody). 2004;190:1382-7 (Education)

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- Patient satisfaction after the treatment of vulvovaginal erosive lichen planus with topical clobetasol and tacrolimus: a survey study (Jensen et al). 2004;190:1759-65

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- Resident physician attire: does it make a difference to our patients? (Cha et al). 2004;190:1484-8 (Residents' papers)

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- Coenzyme Q10 and lipid-related gene induction in HeLa cells (Gorelick et al). 2004;190:1432-4 (Residents' papers)

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- Does Burch colposuspension cure coital incontinence? (Baessler and Stanton). 2004;190:1030-3

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- Continent ileocolonic urinary reservoir (Miami pouch): the University of Miami experience over 15 years (Salom et al). 2004;190:994-1003
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- Optical detection of high-grade cervical intraepithelial neoplasia in vivo: results of a 604-patient study (Huh et al). 2004;190:1249-57

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- Effect of antiretroviral therapy on the incidence of genital warts and vulvar neoplasia among women with the human immunodeficiency virus (Massad et al). 2004;190:1241-8

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- Recent developments in hormone delivery systems (Shulman et al). 2004;190:S39-48

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- Male hormonal contraception (Wang and Swerdloff). 2004;190:S60-8

Contraceptives, oral

- Enhancing oral contraceptive success: the potential of new formulations (Kaunitz). 2004;190:S23-9
- Manipulation of the pill-free interval in oral contraceptive pill users: the effect on follicular suppression (Schlaff et al). 2004;190:943-51
- Safety concerns and health benefits associated with oral contraception (Burkman et al). 2004;190:S5-22
- Sex hormone-binding globulin—a surrogate marker for the prothrombotic effects of combined oral contraceptives (van Rooijen et al). 2004;190:332-7

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Contraceptives, postcoital

- The role of emergency contraception (Trussell et al). 2004;190:S30-8

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- Prospective comparative study of the safety and effectiveness of ginger for the treatment of nausea and vomiting in pregnancy (Portnoi et al) (2003;189:1374-7). 2004;190:1140
- Umbilical cord pH and base excess values in relation to neonatal morbidity for infants delivered preterm (Victory et al) (2003;189:803-7). 2004;190:546

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- The risks of underwater birth (Pinette et al). 2004;190:1211-5 (AJOG reviews)
- Thrombin and PAR1-activating peptide: effects on human uterine contractility in vitro (O'Sullivan et al). 2004;190:1098-105
- Labor, induced**
- A comparison of orally administered misoprostol to intravenous oxytocin for labor induction in women with favorable cervical examinations (Wing et al). 2004;190:1689-96
- First trimester ultrasound screening is effective in reducing postterm labor induction rates:

- a randomized controlled trial (Bennett et al). 2004;190:1077-81
- Induction of labor with RU 486 (mifepristone) in relaxin-deficient rats: antepartum administration of relaxin facilitates delivery and increases pup survival (Zhao and Sherwood). 2004;190:229-38
- Preinduction cervical ripening with the Foley catheter and the risk of subsequent preterm birth (Sciscione et al). 2004;190:751-4
- Randomized trial between two active labor management protocols in the presence of an unfavorable cervix (Bolnick et al). 2004;190:124-8
- Risk of uterine rupture in labor induction of patients with prior cesarean section: an inner city hospital experience (Lin and Raynor). 2004;190:1476-8 (Residents' papers)
- Labor, premature**
- Bacterial vaginosis, the inflammatory response and the risk of preterm birth: a role for genetic epidemiology in the prevention of preterm birth (Romero et al). 2004;190:1509-19 (Clin. opinion)
- Cervicovaginal cytokines, vaginal infection, and preterm birth (Andrews). 2004;190:1179 (Editorial)
- Choice and dose of corticosteroid for antenatal treatments (Jobe and Soll). 2004;190:878-81 (Editors' choice)
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- Eating disorder that was diagnosed before pregnancy and pregnancy outcome (Sollid et al). 2004;190:206-10
- The effect of phosphoramidon on inflammation-mediated preterm delivery in a mouse model (Koscica et al). 2004;190:528-31
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- Medroxyprogesterone acetate, but not progesterone, protects against inflammation-induced parturition and intrauterine fetal demise (Elovitz and Wang). 2004;190:693-701
- Outcomes after expectant management of extremely preterm premature rupture of the membranes (Dinsmoor et al). 2004;190:183-7
- A polymorphism in the promoter region of TNF and bacterial vaginosis: preliminary evidence of gene-environment interaction in the etiology of spontaneous preterm birth (Macones et al). 2004;190:1504-8 (Editors' choice)
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- Progesterone and preterm birth (Einstein and Bracero) (Letter); (da Fonseca) (Reply). 2004;190:1798-802
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- Prophylactic progesterone to prevent preterm birth (Tita and O'Day) (Letter); (da Fonseca) (Reply). 2004;190:1799-802
- Prospective randomized controlled trial of fetal fibronectin on preterm labor management in a tertiary care center (Lowe et al). 2004;190:358-62
- Repeat courses of antenatal corticosteroids: the controversy continues (Guinn). 2004;190:585-7 (Editorial)
- Supplemental progesterone to prevent preterm birth (O'Shaughnessy and Shaffer) (Letter); (da Fonseca) (Reply). 2004;190:1800-802
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 - Trial of labor in patients with a previous cesarean section: does maternal age influence the outcome? (Bujold et al). 2004;190:1113-8
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- In vitro lesion repair by human amnion epithelial and mesenchymal cells (Bilic et al). 2004;190:87-92

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- Chronic prenatal exposure to carbamazepine and perinatal outcomes of C3H/He mice (Christensen et al). 2004;190:259-63

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- Prediction of optimal versus suboptimal cytoreduction of advanced-stage serous ovarian cancer with the use of microarrays (Berchuck et al). 2004;190:910-25

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- Induction of labor with RU 486 (mifepristone) in relaxin-deficient rats: antepartum administration of relaxin facilitates delivery and increases pup survival (Zhao and Sherwood). 2004;190:229-38

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- Comparison between primary peritoneal and epithelial ovarian carcinoma: a population-based study (Barda et al). 2004;190:1039-45
- Neoplasms, second primary
- Other primary malignancies in patients with uterine corpus malignancy (Delin et al). 2004;190:1429-31 (Residents' papers)
- Neovascularization
- Cesarean scar pregnancy: quantitative assessment of uterine neovascularization with 3-dimensional color power Doppler imaging and successful treatment with uterine artery embolization (Chou et al). 2004;190:866-8 (AJOG reviews)
- Neurodevelopmental development, child; *see* Child development
- Neurologic manifestations
- Endometriosis—the consequences of neurologic dysfunction (Quinn) (Letter); (Mahutte et al) (Reply). 2004;190:291-2
- Neuromorbidity; *see* Morbidity
- Neurosecretory systems
- Primary neuroendocrine carcinoma of the fallopian tube: a case report (Dursun et al). 2004;190:568-71
- Neutrophils
- Labor induces a maternal inflammatory response syndrome (Molloy et al). 2004;190:448-55
 - Neutrophils are stimulated by syncytiotrophoblast microvillous membranes to generate superoxide radicals in women with preeclampsia (Aly et al). 2004;190:252-8
- New Zealand
- Experimental intrauterine infection with *Prevotella bivia* in New Zealand White rabbits (Gibbs et al). 2004;190:1082-6
- Nifedipine
- Symptomatic hypocalcemia after tocolytic therapy with magnesium sulfate and nifedipine (Koontz et al). 2004;190:1773-6
- Nigeria
- The obstetric vesicovaginal fistula: characteristics of 899 patients from Jos, Nigeria (Wall et al). 2004;190:1011-9
- Nitric oxide
- Evidence of endothelial dysfunction in preeclampsia: decreased endothelial nitric oxide synthase expression is associated with increased cell permeability in endothelial cells from preeclampsia (Wang et al). 2004;190:817-24
 - L-Arginine erythrocyte transport in normal pregnant and preeclamptic women (da Costa et al). 2004;190:468-71
- Non-steroidal anti-inflammatory agents; *see* Anti-inflammatory agents, non-steroidal
- Nonagenarian
- Gynecological surgery in octogenarians and nonagenarians (Parker et al). 2004;190:1401-3 (Residents' papers)
- Nonstress test, prenatal; *see* Fetal monitoring
- Nulliparity; *see* Parity
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- Diet-induced obesity in the rat: a model for gestational diabetes mellitus (Holemans et al). 2004;190:858-65 (AJOG reviews)
 - Does advanced ultrasound equipment improve the adequacy of ultrasound visualization of fetal cardiac structures in the obese gravid woman? (Hendler et al). 2004;190:1616-20
 - Factors influencing maternal perception of uterine contractions (Cottrill et al). 2004;190:1455-7 (Residents' papers)
 - Impact of obesity on spontaneous abortion (Bellver and Pellicer). 2004;190:293-4 (Letter)
 - Obesity, obstetric complications and cesarean delivery rate—a population-based screening study (Weiss et al). 2004;190:1091-7
 - Pregnancy after bariatric surgery is not associated with adverse perinatal outcome (Sheiner et al). 2004;190:1335-40
- Observer variation
- Intraobserver and interobserver variability for the histologic diagnosis of chorioamnionitis (Simmonds et al). 2004;190:152-5
 - Recall bias of the symptoms of nausea and vomiting of pregnancy (Koren et al). 2004;190:485-8
- Obstetric complications; *see* Pregnancy complications
- Obstetrics
- Characteristics of patients seen and services provided in primary care visits in obstetrics/gynecology: data

- from NAMCS and NHAMCS (Scholle et al). 2004;190:1119-27
- Development of a large-scale obstetric quality-improvement program that focused on the nulliparous patient at term (Main et al). 2004;190:1747-58
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- Obturator nerve**
- A prospective randomized trial comparing tension-free vaginal tape and transobturator suburethral tape for surgical treatment of stress urinary incontinence (deTayrac et al). 2004;190:602-8
- Occult blood**
- Digital rectal fecal occult blood screening during gynecologic examination (Willis and Fanning). 2004;190:1422-3 (Residents' papers)
- Octogenarians; see Aged, 80 and over**
- Older maternal age; see Maternal age 35 and over**
- Oligohydramnios**
- How well do the amniotic fluid index and single deepest pocket indices (below the 3rd and 5th and above the 95th and 97th percentiles) predict oligohydramnios and hydramnios? (Magann et al). 2004;190:164-9
- Outcomes after expectant management of extremely preterm premature rupture of the membranes (Dinsmoor et al). 2004;190:183-7
- Omega-3 fatty acids; see Fatty acids, omega-3**
- Omphalocele; see Hernia, umbilical**
- Oogenesis**
- FISHing for acrocentric associations between chromosomes 14 and 21 in human oogenesis (Cheng and Nalwai-Cecchini). 2004;190:1781-7
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- Opioids; see Narcotics**
- Optics**
- Optical detection of high-grade cervical intraepithelial neoplasia in vivo: results of a 604-patient study (Huh et al). 2004;190:1249-57
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- Oral contraceptives; see Contraceptives, oral**
- Outcome of pregnancy; see Pregnancy outcome**
- Outcome of treatment; see Treatment outcome**
- Ovarian neoplasms**
- Comparison between primary peritoneal and epithelial ovarian carcinoma: a population-based study (Barda et al). 2004;190:1039-45
- Differences in symptoms between patients with benign and malignant ovarian neoplasms (Attanucci et al). 2004;190:1435-7 (Residents' papers)
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- Ovum implantation**
- Effect of glutamine on preimplantation mouse embryo development in vitro (Rezk et al). 2004;190:1450-4 (Residents' papers)

- Leukemia inhibitory factor and homeobox a10 gene expression in an ectopic pregnancy model for implantation (McMinn et al). 2004;190:1419-21 (Residents' papers)
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- Oximetry**
- Dystocia in nulliparous patients monitored with fetal pulse oximetry (Porreco et al). 2004;190:113-7
- Oxygen**
- Increased breath markers of oxidative stress in normal pregnancy and in preeclampsia (Moretti et al). 2004;190:1184-90 (Editors' choice)
- Oxidative stress in preeclampsia (Roberts and Hubel). 2004;190:1177-8 (Editorial)
- Oxytocin**
- A comparison of orally administered misoprostol to intravenous oxytocin for labor induction in women with favorable cervical examinations (Wing et al). 2004;190:1689-96
- Effect of an oxytocin receptor antagonist and rho kinase inhibitor on the $[Ca^{++}]$ sensitivity of human myometrium (Woodcock et al). 2004;190:222-8
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- P16**
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- Papillomaviruses**
- Urethral cancer in a female patient, by a precancerous lesion? (Londero and Londero) (Letter); (Mao) (Reply). 2004;190:581-2
- Usefulness of human papillomavirus testing in the follow-up of patients with high-grade cervical intraepithelial neoplasia after conization (Chao et al). 2004;190:1046-51
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- Risk of cesarean delivery in nulliparous women at greater than 41 weeks' gestational age with an unengaged vertex (Shin et al). 2004;190:129-34
- Parturition; see Labor**
- Patient compliance**
- The transdermal contraceptive system (Burkman). 2004;190:S49-53
- Patient education**
- Incorporating newborn screening into prenatal care (Campbell and Ross). 2004;190:876-7 (Editors' choice)
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- Patient satisfaction**
- Obstetric patient satisfaction: asking patients what they like (Howell and Concato). 2004;190:175-82
- Patient satisfaction after the treatment of vulvovaginal erosive lichen planus with topical clobetasol and tacrolimus: a survey study (Jensen et al). 2004;190:1759-65
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- Patient satisfaction and disease specific quality of life after uterine artery embolization (Smith et al). 2004;190:1697-706
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- Patient perceptions of breast biopsy procedures for screen-detected lesions (Geller et al). 2004;190:1063-9
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Peritoneum

- Evidence-based medicine (Grossman) (Letter); (Jenkins) (Reply). 2004;190:1173-4

- Peritoneal nonclosure in cesarean section (Gates and Anderson). 2004;190:1807-8 (Letter)

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- Evidence of endothelial dysfunction in preeclampsia: decreased endothelial nitric oxide synthase expression is associated with increased cell permeability in endothelial cells from preeclampsia (Wang et al). 2004;190:817-24

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Personal satisfaction

- Incorporating problem-based learning into an obstetrics/gynecology clerkship: impact on student satisfaction and grades (Nalesnik et al). 2004;190:1375-81 (Education)

Peru

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- Labor induces a maternal inflammatory response syndrome (Molloy et al). 2004;190:448-55

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- Ethical issues arising from the performance of pelvic examinations by medical students on anesthetized patients (Wall and Brown). 2004;190:319-23 (Clin. opinion)
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- Physician-patient relations
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- Factors impacting injury documentation after sexual assault: role of examiner experience and gender (Eckert et al). 2004;190:1739-46
- Physicians, family
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- Physicians' attitudes; *see* Attitude of health personnel
- Placenta
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- Platelet activation
- Different levels of platelet activation in preeclamptic, normotensive pregnant, and nonpregnant women (Holthe et al). 2004;190:1128-34
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- Polyhydramnios
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- Limitations of screening tests for the detection of *Chlamydia trachomatis* in asymptomatic adolescent and young adult women (Shrier et al). 2004;190:654-62
 - Usefulness of quantitative polymerase chain reaction in amniotic fluid as early prognostic marker of fetal infection with *Toxoplasma gondii* (Romand et al). 2004;190:797-802
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- Postoperative care
- Effect of topical bupivacaine on postoperative pain after laparoscopic tubal sterilization with Filshie clips (Brennan et al). 2004;190:1411-3 (Residents' papers)
 - A hospital-sponsored quality improvement study of pain management after cesarean delivery (Yost et al). 2004;190:1341-6
- Precancerous conditions
- Urethral cancer in a female patient, by a precancerous lesion? (Londero and Londero) (Letter); (Mao) (Reply). 2004;190:581-2

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- Pregnancy, physiology**
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- Cannabinoids and the human uterus during pregnancy (Dennedy et al). 2004;190:2-9 (Editors' choice)
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- A disproportionate increase in IL-1 β over IL-1 α in the cervicovaginal secretions of pregnant women with altered vaginal microflora correlates with preterm birth (Genc et al). 2004;190:1191-7 (Editors' choice)
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- Matrix metalloproteinase-8 is expressed in human chorion during labor (Arechavaleta-Velasco et al). 2004;190:843-50
- Mechanisms of lipopolysaccharide-induced changes in effects of contractile agonists on pregnant rat myometrium (Ross et al). 2004;190:532-40
- Methods of assessment of the arterial pulse wave in normal human pregnancy (Smith et al). 2004;190:472-6
- Oral docosahexaenoic acid given to pregnant mice increases the amount of surfactant in lung and amniotic fluid in preterm fetuses (Blanco et al). 2004;190:1369-74
- Pregnancy as a tissue expander in the correction of a scar deformity (Del Frari et al). 2004;190:579-80
- Prostacyclin/thromboxane early changes in pregnancies that are complicated by preeclampsia (van der Weiden and Helmerhorst) (Letter); (Chavarria and Reyes) (Reply). 2004;190:1168-9
- Pregnancy, prolonged**
- First trimester ultrasound screening is effective in reducing postterm labor induction rates: a randomized controlled trial (Bennett et al). 2004;190:1077-81
- Genetic influence on prolonged gestation: a population-based Danish twin study (Laursen et al). 2004;190:489-94
- Risk of cesarean delivery in nulliparous women at greater than 41 weeks' gestational age with an unengaged vertex (Shin et al). 2004;190:129-34
- Pregnancy, unwanted**
- The role of emergency contraception (Trussell et al). 2004;190:530-8
- Pregnancy complications**
- Acute fatty liver of pregnancy associated with pancreatitis: a life-threatening complication (Moldenhauer et al). 2004;190:502-5
- Cesarean scar pregnancy: quantitative assessment of uterine neovascularization with 3-dimensional color power Doppler imaging and successful treatment with uterine artery embolization (Chou et al). 2004;190:866-8 (AJOG reviews)
- Computer modeling of shoulder dystocia (Allen et al) (Letter); (Gonik and Grimm) (Reply). 2004;190:1805-6
- Eating disorder that was diagnosed before pregnancy and pregnancy outcome (Sollid et al). 2004;190:206-10
- Effect of pregnancy and stage of pregnancy on asthma severity: a systematic review (Kwon et al). 2004;190:1201-10 (AJOG reviews)
- Endoscopic retrograde cholangiopancreatography (ERCP) in pregnancy without the use of radiation (Simmons et al). 2004;190:1467-9 (Residents' papers)

- Epilepsy and pregnancy: an obstetric perspective (Richmond et al). 2004;190:371-9
- Extremely elevated activity of serum alkaline phosphatase in gestational diabetes: a case report (Wojcicka-Bentyn et al). 2004;190:566-7
- HOXA10 gene expression in human fallopian tube and ectopic pregnancy (Salih and Taylor). 2004;190:1404-6 (Residents' papers)
- Improving the management of opioid-dependent pregnancies (Dashe et al) (Letter); (Berghella and Kaltenbach) (Reply). 2004;190:1806
- Intrauterine repair of spina bifida: preoperative predictors of shunt-dependent hydrocephalus (Bruner et al). 2004;190:1305-12
- Is antenatal vitamin K prophylaxis needed for pregnant women taking anticonvulsants? (Chouluka et al). 2004;190:882-3 (Editors' choice)
- Is early-pregnancy proteinuria associated with an increased rate of preeclampsia in women with pregestational diabetes mellitus? (How et al). 2004;190:775-8
- Long-term neurodevelopmental outcome after intrauterine laser treatment for twin-twin transfusion syndrome (TTTS) (De Lia and Worthington) (Letter); (Hecher et al) (Reply). 2004;190:1170-2
- Obesity, obstetric complications and cesarean delivery rate—a population-based screening study (Weiss et al). 2004;190:1091-7
- Pregnancies in Gaucher disease: a 5-year study (Elstein et al). 2004;190:435-41
- Randomized trial of inhaled beclomethasone dipropionate versus theophylline for moderate asthma during pregnancy (Dombrowski et al). 2004;190:737-44
- Recall bias of the symptoms of nausea and vomiting of pregnancy (Koren et al). 2004;190:485-8
- Sonographic detection of placenta accreta in the second and third trimesters of pregnancy (Comstock et al). 2004;190:1135-40
- Symptomatic hypocalcemia after tocolytic therapy with magnesium sulfate and nifedipine (Koontz et al). 2004;190:1773-6
- Trauma during pregnancy: an analysis of maternal and fetal outcomes in a large population (El Kady et al). 2004;190:1661-8
- The use of prostaglandin E₂ in pregnant patients with asthma (Towers et al). 2004;190:1777-80
- Pregnancy complications, cardiovascular**
- Fetal sex and indicated very preterm birth: results of the EPIPAGE study (Zeitlin et al). 2004;190:1322-5
- Maternal and perinatal outcome in women with a history of stroke (Coppage et al). 2004;190:1331-4
- Thyrotoxicosis and heart failure that complicate pregnancy (Sheffield and Cunningham). 2004;190:211-7
- Pregnancy complications, hematologic**
- Causes of thrombocytopenia in triplet pregnancies (Pourrat et al) (Letter); (Al-Kouatly and Chasen) (Reply). 2004;190:1797-8
- Re: stage-based treatment of twin-twin transfusion syndrome (Fisk et al). 2004;190:1491-2 (Letter)
- A retrospective review of isoimmunized pregnancies managed by middle cerebral artery peak systolic velocity (McLean et al). 2004;190:1732-8
- Stage-based treatment of twin-twin transfusion syndrome (Fisk) (Letter); (Quintero) (Reply). 2004;190:1809-11
- Tinzaparin sodium for thrombosis treatment and prevention during pregnancy (Smith et al). 2004;190:495-501
- Pregnancy complications, infectious**
- A disproportionate increase in IL-1 β over IL-1ra in the cervicovaginal secretions of pregnant women with altered vaginal microflora correlates with preterm birth (Genc et al). 2004;190:1191-7 (Editors' choice)
- Fetal fibronectin and bacterial vaginosis are associated with preterm birth in women who are symptomatic for preterm labor (Stevens et al). 2004;190:1582-9
- Maternal toxicity and pregnancy complications in human immunodeficiency virus-infected women receiving antiretroviral therapy: PACTG 316 (Watts et al). 2004;190:506-16
- Reproductive issues for persons with HIV (Garrido et al) (Letter); (Williams et al) (Reply). 2004;190:1489-90
- Salmonella as a causative organism of acute pyelonephritis during pregnancy (Alvarez et al). 2004;190:1482-3
- Time course of the regression of asymptomatic bacterial vaginosis in pregnancy with and without treatment (Klebanoff et al). 2004;190:363-70
- Use of microbial cultures and antibiotics in the prevention of infection-associated preterm birth (Klein and Gibbs). 2004;190:1493-503 (Editors' choice)
- Pregnancy complications, neoplastic**
- Embryonal sarcoma of the liver in pregnancy, associated with HELLP syndrome (Akerboom-Straberger and Lotgering). 2004;190:556-7
- Ruptured subcapsular liver hematoma in pregnancy: a case report of nonsurgical management (Carlson and Bader). 2004;190:558-60
- Pregnancy failure; see Abortion, spontaneous**
- Pregnancy maintenance**
- Aggressive tocolysis does not prolong pregnancy or reduce neonatal morbidity after preterm premature rupture of the membranes (Combs et al). 2004;190:1723-31
- Pregnancy outcome**
- Chronic prenatal exposure to carbamazepine and perinatal outcomes of C3H/He mice (Christensen et al). 2004;190:259-63
- Diet-controlled gestational diabetes mellitus does not influence the success rates for vaginal birth after cesarean delivery (Marchiano et al). 2004;190:790-6
- Eating disorder that was diagnosed before pregnancy and pregnancy outcome (Sollid et al). 2004;190:206-10

- Epilepsy and pregnancy: an obstetric perspective (Richmond et al). 2004;190:371-9
- Maternal and perinatal outcome in women with a history of stroke (Coppage et al). 2004;190:1331-4
- Maternal and perinatal outcomes during expectant management of 239 severe preeclamptic women between 24 and 33 weeks' gestation (Haddad et al). 2004;190:1590-7
- Medroxyprogesterone acetate, but not progesterone, protects against inflammation-induced parturition and intrauterine fetal demise (Elovitz and Wang). 2004;190:693-701
- Outcomes after expectant management of extremely preterm premature rupture of the membranes (Dinsmoor et al). 2004;190:183-7
- An outcomes analysis of five prenatal screening strategies for trisomy 21 in women younger than 35 years (Biggio et al). 2004;190:721-9
- Pregnancy after bariatric surgery is not associated with adverse perinatal outcome (Sheiner et al). 2004;190:1335-40
- Pregnancy during the use of levonorgestrel intrauterine system (Backman et al). 2004;190:50-4
- Repeat courses of antenatal corticosteroids: the controversy continues (Guinn). 2004;190:585-7 (Editorial)
- Reproductive health history of lesbians: implications for care (Marrazzo and Stine). 2004;190:1298-304
- Threatened abortion: a risk factor for poor pregnancy outcome, a population-based screening study (Weiss et al). 2004;190:745-50
- Trauma during pregnancy: an analysis of maternal and fetal outcomes in a large population (El Kady et al). 2004;190:1661-8
- Pregnancy termination; *see* Abortion
- Pregnancy tests
- Accuracy of home pregnancy tests at the time of missed menses (Cole et al). 2004;190:100-5
- Pregnancy trimester, first
- Cardiac autonomic modulation in normal, high-risk, and in vitro fertilization pregnancies during the first trimester (Antonazzo et al). 2004;190:199-205
 - First trimester ultrasound screening is effective in reducing postterm labor induction rates: a randomized controlled trial (Bennett et al). 2004;190:1077-81
 - Is early-pregnancy proteinuria associated with an increased rate of preeclampsia in women with pregestational diabetes mellitus? (How et al). 2004;190:775-8
 - Is first trimester measurement of sex hormone binding globulin a possible screening test for gestational diabetes mellitus (McClain et al) (Letter); (Ecker and Thadhani) (Reply). 2004;190:1808-9
 - Maternal birth weight in relation to plasma lipid concentrations in early pregnancy (Dempsey et al). 2004;190:1359-68
 - Multicystic encephalomalacia after first-trimester intrauterine fetal death in monochorionic twins (Weiss et al). 2004;190:563-5
 - A randomized controlled comparison of sublingual and vaginal administration of misoprostol for cervical priming before first-trimester surgical abortion (Hamoda et al). 2004;190:55-9
 - A randomized trial of saline solution—moistened misoprostol versus dry misoprostol for first-trimester pregnancy failure (Gilles et al). 2004;190:389-94
- Pregnancy trimester, second
- A call for an evidence-based evaluation of late midtrimester abortion (Porto). 2004;190:1175-6 (Editorial)
 - Dilation and evacuation at ≥ 20 weeks: comparison of operative techniques (Chasen et al). 2004;190:1180-3 (Editors' choice)
 - Elevated maternal midtrimester serum free β -human chorionic gonadotropin levels in vegetarian pregnancies that cause increased false-positive Down syndrome screening results (Cheng et al). 2004;190:442-7
 - Randomized controlled trial of misoprostol for second-trimester pregnancy termination associated with fetal malformation (Akoury et al). 2004;190:755-62
 - Sonographic detection of placenta accreta in the second and third trimesters of pregnancy (Comstock et al). 2004;190:1135-40
 - Three-dimensional sonographic measurement of normal fetal brain volume during the second half of pregnancy (Roelfsema et al). 2004;190:275-80
- Pregnancy trimester, third
- The incidences of positive Kleihauer-Betke test in low-risk pregnancies and maternal trauma patients (Dhanraj and Lambers). 2004;190:1461-3 (Residents' papers)
 - Maternal and perinatal outcomes during expectant management of 239 severe preeclamptic women between 24 and 33 weeks' gestation (Haddad et al). 2004;190:1590-7
 - Sonographic detection of placenta accreta in the second and third trimesters of pregnancy (Comstock et al). 2004;190:1135-40
 - Three-dimensional sonographic measurement of normal fetal brain volume during the second half of pregnancy (Roelfsema et al). 2004;190:275-80
- Preimplantation, ovum; *see* Ovum implantation
- Preinduction of labor; *see* Labor, induced
- Premature premature rupture of membranes; *see* Fetal membranes, premature rupture
- Prenatal care
- The incidences of positive Kleihauer-Betke test in low-risk pregnancies and maternal trauma patients (Dhanraj and Lambers). 2004;190:1461-3 (Residents' papers)
 - Incorporating newborn screening into prenatal care (Campbell and Ross). 2004;190:876-7 (Editors' choice)
 - Newborn screening—should it be part of prenatal care? (Diem). 2004;190:874 (Editorial)

Prenatal diagnosis

- Automated detection of rare fetal cells in maternal blood: eliminating the false-positive XY signals in XX pregnancies (Kilpatrick et al). 2004;190:1571-81
- A dilated fetal stomach predicts a complicated postnatal course in cases of prenatally diagnosed gastroschisis (Aina-Mumuney et al). 2004;190:1326-30
- Does advanced ultrasound equipment improve the adequacy of ultrasound visualization of fetal cardiac structures in the obese gravid woman? (Hendler et al). 2004;190:1616-20
- Elevated maternal midtrimester serum free β -human chorionic gonadotropin levels in vegetarian pregnancies that cause increased false-positive Down syndrome screening results (Cheng et al). 2004;190:442-7
- Is nuchal translucency screening associated with different rates of invasive testing in an older obstetric population? (Chasen et al). 2004;190:769-74
- Medroxyprogesterone acetate, but not progesterone, protects against inflammation-induced parturition and intrauterine fetal demise (Elovitz and Wang). 2004;190:693-701
- Nonimmune fetal ascites: a series of 79 cases (Favre et al). 2004;190:407-12
- An outcomes analysis of five prenatal screening strategies for trisomy 21 in women younger than 35 years (Biggio et al). 2004;190:721-9
- A randomized clinical trial of the intrapartum assessment of amniotic fluid volume: amniotic fluid index versus the single deepest pocket technique (Moses et al). 2004;190:1564-70
- The role for preimplantation genetic diagnosis in balanced translocation carriers (Sampson et al). 2004;190:1707-13
- Unselected low-risk pregnancies and the effect of continuous intrapartum fetal heart rate monitoring on umbilical blood gases and cerebral palsy (Sameshima et al). 2004;190:118-23
- Usefulness of quantitative polymerase chain reaction in amniotic fluid as early prognostic marker of fetal infection with *Toxoplasma gondii* (Romand et al). 2004;190:797-802
- The usefulness of the TDx/TDxFLx fetal lung maturity II assay (Pinette and Wax) (Letter); (Figuerola and Maulik) (Reply). 2004;190:870-1

Prenatal exposure delayed effects

- Chronic prenatal exposure to carbamazepine and behavior effects on mice offspring (Rayburn et al). 2004;190:517-21

Prescriptions, drug

- Medication use in a rural gynecologic population: prescription, over-the-counter, and herbal medicines (Glover et al). 2004;190:351-7

Presidential address

Presidential address. 2004;190:1535-40, 1636-41

Preterm delivery; *see* Labor, premature

Preterm infant; *see* Infant, premature

Preterm premature rupture of fetal membranes; *see* Fetal membranes, premature rupture

Prevotella bivia

- Experimental intrauterine infection with *Prevotella bivia* in New Zealand White rabbits (Gibbs et al). 2004;190:1082-6

Primary care physicians; *see* Physicians, family

Primary malignancies; *see* Neoplasms, second primary

Problem-based learning

- Incorporating problem-based learning into an obstetrics/gynecology clerkship: impact on student satisfaction and grades (Nalesnik et al). 2004;190:1375-81 (Education)

Professional competence

- Factors impacting injury documentation after sexual assault: role of examiner experience and gender (Eckert et al). 2004;190:1739-46

Progestational hormones

- Enhancing oral contraceptive success: the potential of new formulations (Kaunitz). 2004;190:S23-9
- Male hormonal contraception (Wang and Swerdloff). 2004;190:S60-8

Progesterone

- Medroxyprogesterone acetate, but not progesterone, protects against inflammation-induced parturition and intrauterine fetal demise (Elovitz and Wang). 2004;190:693-701
- Progesterone and preterm birth (Einstein and Bracero) (Letter); (da Fonseca) (Reply). 2004;190:1798-802
- Progesterone and preterm birth (Riskin-Mashiah) (Letter); (da Fonseca) (Reply). 2004;190:1802-3
- Prophylactic progesterone to prevent preterm birth (Tita and O'Day) (Letter); (da Fonseca) (Reply). 2004;190:1799-802
- Supplemental progesterone to prevent preterm birth (O'Shaughnessy and Shaffer) (Letter); (da Fonseca) (Reply). 2004;190:1800-802

Prognosis

- Predicting vaginal birth after cesarean delivery: a review of prognostic factors and screening tools (Hashima et al). 2004;190:547-55 (AJOG reviews)
- Usefulness of quantitative polymerase chain reaction in amniotic fluid as early prognostic marker of fetal infection with *Toxoplasma gondii* (Romand et al). 2004;190:797-802

Prolapse, uterine; *see* Uterine prolapse

Prolonged pregnancy; *see* Pregnancy, prolonged

Prophylaxis

- Is antenatal vitamin K prophylaxis needed for pregnant women taking anticonvulsants? (Choulitka et al). 2004;190:882-3 (Editors' choice)
- Magnesium sulfate prophylaxis in preeclampsia: lessons learned from recent trials (Sibai). 2004;190:1520-6 (Clin. opinion)

- Progesterone and preterm birth (Einstein and Bracero) (Letter); (da Fonseca) (Reply). 2004;190:1798-802
- Progesterone and preterm birth (Riskin-Mashiah) (Letter); (da Fonseca) (Reply). 2004;190:1802-3
- Prophylactic progesterone to prevent preterm birth (Tita and O'Day) (Letter); (da Fonseca) (Reply). 2004;190:1798-801
- Supplemental progesterone to prevent preterm birth (O'Shaughnessy and Shaffer) (Letter); (da Fonseca) (Reply). 2004;190:1800-802
- Prostacyclin; *see* Epoprostenol
- Prostaglandin E₂; *see* Dinoprostone
- Prostaglandin-endoperoxide synthase
- Reciprocal expression of peroxisome proliferator-activated receptor- γ and cyclooxygenase-2 in human term parturition (Dunn-Albanese et al). 2004;190:809-16
- Prostaglandins
- Mechanisms of lipopolysaccharide-induced changes in effects of contractile agonists on pregnant rat myometrium (Ross et al). 2004;190:532-40
- Protein C
- Sex hormone-binding globulin—a surrogate marker for the prothrombotic effects of combined oral contraceptives (van Rooijen et al). 2004;190:332-7
- Protein kinase C
- Magnesium sulfate induces translocation of protein kinase C isoenzymes α and δ in myometrial cells from pregnant women (Bermeo et al). 2004;190:522-7
- Proteins
- The effects of dexamethasone and betamethasone on surfactant protein-B messenger RNA expression in human type II pneumocytes and human lung adenocarcinoma cells (Ramin et al). 2004;190:952-9
- Evidence for tight coupling of Gi protein-mediated lysophosphatidic acid receptor to stimulated cytokine production in ovarian cancer cell (Sugiyama et al). 2004;190:680-5
- Proteinuria
- Is early-pregnancy proteinuria associated with an increased rate of preeclampsia in women with pregestational diabetes mellitus? (How et al). 2004;190:775-8
- Protirelin
- Effects of thyrotropin-releasing hormone on human myometrium and umbilical vasculature in vitro (Potter et al). 2004;190:246-51
- Proto-oncogene proteins
- An unexpected effect of glucocorticoids on stimulation of *c-fms* proto-oncogene expression in choriocarcinoma cells that express little glucocorticoid receptor (Chambers et al). 2004;190:974-85
- Publishing
- Dr Carson: new associate editor (Kim). 2004;190:873 (Editorial)
- A new look and more for the Journal. 2004;190:1
- Puerperium
- Delayed postpartum preeclampsia: an experience of 151 cases (Matthys et al). 2004;190:1464-6 (Residents' papers)
- Omega-3 polyunsaturated fatty acids for postpartum depression (Chiu et al) (Letter); (Llorente et al) (Reply). 2004;190:582-3
- Postpartum hypertension and nonsteroidal analgesia (Makris et al). 2004;190:577-8
- Pulmonary surfactants
- The effects of dexamethasone and betamethasone on surfactant protein-B messenger RNA expression in human type II pneumocytes and human lung adenocarcinoma cells (Ramin et al). 2004;190:952-9
- Oral docosahexaenoic acid given to pregnant mice increases the amount of surfactant in lung and amniotic fluid in preterm fetuses (Blanco et al). 2004;190:1369-74
- Pulse
- Methods of assessment of the arterial pulse wave in normal human pregnancy (Smith et al). 2004;190:472-6
- Pulse oximetry; *see* Oximetry
- Pyelonephritis
- Salmonella as a causative organism of acute pyelonephritis during pregnancy (Alvarez et al). 2004;190:1482-3
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- Q**
- Quadruplets
- Effect of advanced maternal age on early mortality among quadruplets and quintuplets (Salihu et al). 2004;190:383-8
- Quality of health care
- Development of a large-scale obstetric quality-improvement program that focused on the nulliparous patient at term (Main et al). 2004;190:1747-58
- A hospital-sponsored quality improvement study of pain management after cesarean delivery (Yost et al). 2004;190:1341-6
- Obstetric patient satisfaction: asking patients what they like (Howell and Concato). 2004;190:175-82
- Stability of risk-adjusted primary cesarean delivery rates over time (Bailit and Garrett). 2004;190:395-400
- Quality of life
- Patient satisfaction and disease specific quality of life after uterine artery embolization (Smith et al). 2004;190:1697-706
- Symptoms before and after surgical removal of colorectal endometriosis that are assessed by magnetic resonance imaging and rectal endoscopic sonography (Thomassin et al). 2004;190:1264-71

Quinones

- α -Tocopherol and α -tocopheryl quinone levels in cervical intraepithelial neoplasia and cervical cancer (Palan et al). 2004;190:1407-10 (Residents' papers)

Quintuplets

- Effect of advanced maternal age on early mortality among quadruplets and quintuplets (Salihu et al). 2004;190:383-8

R

Race factors

- Early mortality among triplets in the United States: black-white disparity (Salihu et al). 2004;190:477-84
- Racial disparity in membrane response to infectious stimuli: a possible explanation for observed differences in the incidence of prematurity (Fortunato et al). 2004;190:1557-63

Radiation

- Endoscopic retrograde cholangiopancreatography (ERCP) in pregnancy without the use of radiation (Simmons et al). 2004;190:1467-9 (Residents' papers)
- Radiofrequency ablation; *see* Catheter ablation

Radiotherapy

- Accuracy of pelvic examination in the assessment of patients with operable cervical cancer (Hoffman et al). 2004;190:986-93

Recall bias; *see* Observer variation

Receptors, adrenergic, beta

- The Trp64Arg polymorphism of the β_3 -adrenergic receptor is not increased in women with preeclampsia (Malina et al). 2004;190:779-83

Receptors, angiotensin

- Activation of invasiveness of cervical carcinoma cells by angiotensin II (Kikkawa et al). 2004;190:1258-63

Receptors, glucocorticoid

- An unexpected effect of glucocorticoids on stimulation of *c-fms* proto-oncogene expression in choriocarcinoma cells that express little glucocorticoid receptor (Chambers et al). 2004;190:974-85

Receptors, insulin

- The insulin resistant subphenotype of polycystic ovary syndrome: clinical parameters and pathogenesis (Mor et al). 2004;190:1654-60

Receptors, macrophage colony-stimulating factor

- An unexpected effect of glucocorticoids on stimulation of *c-fms* proto-oncogene expression in choriocarcinoma cells that express little glucocorticoid receptor (Chambers et al). 2004;190:974-85

Rectum

- Digital rectal fecal occult blood screening during gynecologic examination (Willis and Fanning). 2004;190:1422-3 (Residents' papers)

- Long-term follow-up after conservative surgery for rectovaginal endometriosis (Fedele et al). 2004;190:1020-4

- Symptoms before and after surgical removal of colorectal endometriosis that are assessed by magnetic resonance imaging and rectal endoscopic sonography (Thomassin et al). 2004;190:1264-71

Reference values

- Updating reference values for placental weights in Northern Alberta (Dy et al). 2004;190:1458-60 (Residents' papers)

Relaxin

- Induction of labor with RU 486 (mifepristone) in relaxin-deficient rats: antepartum administration of relaxin facilitates delivery and increases pup survival (Zhao and Sherwood). 2004;190:229-38

Reproducibility of results

- External validation of a new logistic model in the diagnosis of ovarian cancer (Guerriero et al) (Letter); (Alcazar) (Reply). 2004;190:292-3

Reproduction

- Reproductive health history of lesbians: implications for care (Marrazzo and Stine). 2004;190:1298-304
- Reproductive issues for persons with HIV (Garrido et al) (Letter); (Williams et al) (Reply). 2004;190:1489-90

Reproduction techniques

- The multiple gestation epidemic: the role of the assisted reproductive technologies (Templeton). 2004;190:894-8
- Potential factors affecting embryo survival and clinical outcome with cryopreserved pronuclear human embryos (Marrs et al). 2004;190:1766-72

Residency; *see* Internship and residency

Residents' papers

- Residents' papers. 2004;190:1394-486

Resistance exercise; *see* Exercise

Retinamide

- The chemopreventive agents 4-HPR and DFMO inhibit growth and induce apoptosis in uterine leiomyomas (Broaddus et al). 2004;190:686-92

Retrovirus infections

- Effect of antiretroviral therapy on the incidence of genital warts and vulvar neoplasia among women with the human immunodeficiency virus (Massad et al). 2004;190:1241-8

Rh isoimmunization

- A retrospective review of isoimmunized pregnancies managed by middle cerebral artery peak systolic velocity (McLean et al). 2004;190:1732-8

Rho factor

- Effect of an oxytocin receptor antagonist and rho kinase inhibitor on the $[Ca^{++}]_i$ sensitivity of human myometrium (Woodcock et al). 2004;190:222-8

Risk factors

- Bacterial vaginosis, the inflammatory response and the risk of preterm birth: a role for genetic

- epidemiology in the prevention of preterm birth (Romero et al). 2004;190:1509-19 (Clin. opinion)
- A comparative review of the risks and benefits of hormone replacement therapy regimens (Warren). 2004;190:1141-67 (AJOG reviews)
- Complications of cesarean deliveries: rates and risk factors (Häger et al). 2004;190:428-34
- Preinduction cervical ripening with the Foley catheter and the risk of subsequent preterm birth (Sciscione et al). 2004;190:751-4
- Risk factors associated with an unsuccessful pessary fitting trial in women with pelvic organ prolapse (Clemons et al). 2004;190:345-50
- Risk factors for recurrent vulvovaginal candidiasis in women receiving maintenance antifungal therapy: results of a prospective cohort study (Patel et al). 2004;190:644-53
- Risk of cesarean delivery in nulliparous women at greater than 41 weeks' gestational age with an unengaged vertex (Shin et al). 2004;190:129-34
- Risk of uterine rupture in labor induction of patients with prior cesarean section: an inner city hospital experience (Lin and Raynor). 2004;190:1476-8 (Residents' papers)
- The risks of underwater birth (Pinette et al). 2004;190:1211-5 (AJOG reviews)
- Stability of risk-adjusted primary cesarean delivery rates over time (Bailit and Garrett). 2004;190:395-400
- Threatened abortion: a risk factor for poor pregnancy outcome, a population-based screening study (Weiss et al). 2004;190:745-50
- RNA, messenger**
- The effects of dexamethasone and betamethasone on surfactant protein-B messenger RNA expression in human type II pneumocytes and human lung adenocarcinoma cells (Ramin et al). 2004;190:952-9
- Role playing**
- Outcomes of teaching medical students core skills for women's health: the pelvic examination educational program (Carr and Carmody). 2004;190:1382-7 (Education)
- S**
- Safety**
- A call for an evidence-based evaluation of late midtrimester abortion (Porto). 2004;190:1175-6 (Editorial)
- Dilation and evacuation at ≥ 20 weeks: comparison of operative techniques (Chasen et al). 2004;190:1180-3 (Editors' choice)
- Enhancing oral contraceptive success: the potential of new formulations (Kaunitz). 2004;190:S23-9
- New delivery systems in contraception: vaginal rings (Johansson and Sitruk-Ware). 2004;190:S54-9
- Safety concerns and health benefits associated with oral contraception (Burkman et al). 2004;190:S5-22
- Saline solution**
- A randomized trial of saline solution—moistened misoprostol versus dry misoprostol for first-trimester pregnancy failure (Gilles et al). 2004;190:389-94
- Salmonella typhimurium**
- Salmonella as a causative organism of acute pyelonephritis during pregnancy (Alvarez et al). 2004;190:1482-3
- Sarcoma**
- Embryonal sarcoma of the liver in pregnancy, associated with HELLP syndrome (Akerboom-Straberger and Lotgering). 2004;190:556-7
- Satisfaction; see Personal satisfaction**
- Scars; see Cicatrix**
- Screening; see Mass screening**
- Screening mammography; see Mammography**
- Second half of pregnancy; see Pregnancy trimester, second; Pregnancy trimester, third**
- Semen**
- Immunoglobulin E antibodies to seminal fluid in women with vulvar vestibulitis syndrome: relation to onset and timing of symptoms (Babula et al). 2004;190:663-7
- Serine proteinases**
- The novel serine protease tumor-associated differentially expressed gene-14 (*KLK8/Neuropilin/Ovasin*) is highly overexpressed in cervical cancer (Cané et al). 2004;190:60-6
- Sex**
- Duration of pregnancy and sex of offspring (James). 2004;190:1169-70 (Letter)
- Factors impacting injury documentation after sexual assault: role of examiner experience and gender (Eckert et al). 2004;190:1739-46
- Fetal sex and indicated very preterm birth: results of the EPIPAGE study (Zeitlin et al). 2004;190:1322-5
- The human gynome (Elias). 2004;190:1535-40 (Pres. address)
- Sex chromosomes**
- Sex chromosomal mosaicism in the gonads of patients with gonadal dysgenesis, but normal female or male karyotypes in lymphocytes (Röpke et al). 2004;190:1059-62
- Sex hormones**
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- Sex hormone—binding globulin—a surrogate marker for the prothrombotic effects of combined oral contraceptives (van Rooijen et al). 2004;190:332-7
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- Examiners, 1998 through 2002 (Enbom et al). 2004;190:1642-53
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- Sexual response in the patient after hysterectomy: total abdominal versus supracervical versus vaginal procedure (Roussis et al). 2004;190:1427-8 (Residents' papers)
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- Computer modeling of shoulder dystocia (Allen et al) (Letter); (Gonik and Grimm) (Reply). 2004;190:1805-7
- Is abnormal labor associated with shoulder dystocia in nulliparous women? (Mehta et al). 2004;190:1604-9
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- Intrauterine repair of spina bifida: preoperative predictors of shunt-dependent hydrocephalus (Bruner et al). 2004;190:1305-12
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- A dilated fetal stomach predicts a complicated postnatal course in cases of prenatally diagnosed gastroschisis (Aina-Mumuncy et al). 2004;190:1326-30
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- Pregnancy as a tissue expander in the correction of a scar deformity (Del Frari et al). 2004;190:579-80
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- Predicting vaginal birth after cesarean delivery: a review of prognostic factors and screening tools (Hashima et al). 2004;190:547-55 (AJOG reviews)
- Vaginal diseases**
- Patient satisfaction after the treatment of vulvovaginal erosive lichen planus with topical clobetasol and tacrolimus: a survey study (Jensen et al). 2004;190:1759-65
- Vaginal hysterectomy; *see* Hysterectomy, vaginal
- Vaginal rings; *see* Intrauterine devices
- Vaginal smears**
- Treatment of high-grade squamous intraepithelial lesions: a 2- versus 3-step approach (Berdichevsky et al). 2004;190:1424-6 (Residents' papers)
- Urethral cancer in a female patient, by a precancerous lesion? (Londero and Londero) (Letter); (Mao) (Reply). 2004;190:581-2
- Vaginal vault prolapse; *see* Uterine prolapse
- Vaginosis, bacterial**
- Bacterial vaginosis, the inflammatory response and the risk of preterm birth: a role for genetic epidemiology in the prevention of preterm birth (Romero et al). 2004;190:1509-19 (Clin. opinion)
- Fetal fibronectin and bacterial vaginosis are associated with preterm birth in women who are symptomatic for preterm labor (Stevens et al). 2004;190:1582-9
- A polymorphism in the promoter region of TNF and bacterial vaginosis: preliminary evidence of gene-environment interaction in the etiology of spontaneous preterm birth (Macones et al). 2004;190:1504-8 (Editors' choice)
- Time course of the regression of asymptomatic bacterial vaginosis in pregnancy with and without treatment (Klebanoff et al). 2004;190:363-70
- Validity of results; *see* Reproducibility of results
- Vascular diseases**
- Microvascular endothelial cell activation is present in the umbilical placental microcirculation in fetal placental vascular disease (Wang et al). 2004;190:596-601 (Editors' choice)
- Vascular endothelium; *see* Endothelium, vascular
- Vegetarianism**
- Elevated maternal midtrimester serum free β -human chorionic gonadotropin levels in vegetarian pregnancies that cause increased false-positive Down syndrome screening results (Cheng et al). 2004;190:442-7
- Velocity, blood; *see* Blood flow velocity
- Version, fetal**
- Cesarean delivery after successful external cephalic version of breech presentation at term: a comparative study (Vézina et al). 2004;190:763-8
- Very low birth weight infant; *see* Infant, low birth weight
- Vesicovaginal fistula**
- The obstetric vesicovaginal fistula: characteristics of 899 patients from Jos, Nigeria (Wall et al). 2004;190:1011-9
- Prevention of vesicovaginal fistulas after laparoscopic hysterectomy with electrosurgical cystotomy in female mongrel dogs (Sokol et al). 2004;190:628-33
- Vital statistics**
- Trends in twin neonatal mortality rates in the United States, 1989 through 1999: influence of birth registration and obstetric intervention (Ananth et al). 2004;190:1313-21
- Vitamin E**
- α -Tocopherol and α -tocopheryl quinone levels in cervical intraepithelial neoplasia and cervical cancer (Palan et al). 2004;190:1407-10 (Residents' papers)
- Vitamin K**
- Is antenatal vitamin K prophylaxis needed for pregnant women taking anticonvulsants? (Chouluka et al). 2004;190:882-3 (Editors' choice)
- Vomiting**
- Recall bias of the symptoms of nausea and vomiting of pregnancy (Koren et al). 2004;190:485-8
- Vulvar diseases**
- Immunoglobulin E antibodies to seminal fluid in women with vulvar vestibulitis syndrome: relation to onset

and timing of symptoms (Babula et al).
2004;190:663-7

Patient satisfaction after the treatment of vulvovaginal erosive lichen planus with topical clobetasol and tacrolimus: a survey study (Jensen et al).
2004;190:1759-65

Vulvar neoplasms

Effect of antiretroviral therapy on the incidence of genital warts and vulvar neoplasia among women with the human immunodeficiency virus (Massad et al). 2004;190:1241-8

Vulvovaginal candidiasis; *see* Candidiasis, vulvovaginal

W

Water

The risks of underwater birth (Pinette et al).
2004;190:1211-5 (AJOG reviews)

Weight, birth; *see* Birth weight

Women's Health Initiative

A comparative review of the risks and benefits of hormone replacement therapy regimens (Warren).
2004;190:1141-67 (AJOG reviews)

Workload

Heavier workload, less personal control: impact of delivery on obstetrician/gynecologists' career satisfaction (Bettes et al). 2004;190:851-7 (Education)

Wound healing

In vitro lesion repair by human amnion epithelial and mesenchymal cells (Bilic et al). 2004;190:87-92

Wounds and injuries

Factors impacting injury documentation after sexual assault: role of examiner experience and gender (Eckert et al). 2004;190:1739-46

The incidences of positive Kleihauer-Betke test in low-risk pregnancies and maternal trauma patients (Dhanraj and Lambers). 2004;190:1461-3 (Residents' papers)

Physical injury after sexual assault: findings of a large case series (Sugar et al). 2004;190:71-6

Trauma during pregnancy: an analysis of maternal and fetal outcomes in a large population (El Kady et al).
2004;190:1661-8

X

X chromosome

Automated detection of rare fetal cells in maternal blood: eliminating the false-positive XY signals in XX pregnancies (Kilpatrick et al). 2004;190:1571-81

Xenograft; *see* Transplantation, heterologous

Y

Y chromosome

Automated detection of rare fetal cells in maternal blood: eliminating the false-positive XY signals in XX pregnancies (Kilpatrick et al). 2004;190:1571-81

Z

Zidovudine

Elective cesarean delivery plus short-course lamivudine and zidovudine for the prevention of mother-to-child transmission of human immunodeficiency virus type 1 (Panburana et al). 2004;190:803-8

Zinc

Randomized controlled trial of prenatal zinc supplementation and the development of fetal heart rate (Meriardi et al). 2004;190:1106-12